

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	18125	(313/627-643, 313/567 313/111-117 313/25-27 313/318.01-318.09 439/615,739 445/24,26,29,22).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/12 07:37
L2	9	((LEO) near2 (MARIEN)). INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/12 07:38
L3	9	((LEO) near2 (MARIEN)). INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/12 07:38
L4	10	((NANCY) near2 (CARUSO)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/12 07:38
L5	14	(3 4)	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/12 07:39
L8	1	5 and (outer envelope wall thickness d1 d2 "0.35" ltoreq).dlm.	US-PGPUB; USPAT; USOCR	AND	ON	2010/01/12 07:44
L9	5	("high pressure") and discharge and outer and inner and lamp and "wall thickness"	EPO; JPO; DERWENT	AND	ON	2010/01/12 07:46
L10	634	("high pressure") and discharge and outer and inner and lamp and "wall thickness"	US-PGPUB; USPAT; USOCR	AND	ON	2010/01/12 07:48
S1	1	"4888517".pn.	USPAT	OR	ON	2008/03/05 10:56
S2	0	"0533325"	EPO	OR	ON	2008/03/05 10:57
S3	0	("0533325").pn.	EPO	OR	ON	2008/03/05 10:57
S4	0	EP0533325	EPO	OR	ON	2008/03/05 10:57
S5	6	("4342937"   "4345178"   "4459506"   "4490642"   "4591752"   "4721876"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/05 11:20
S6	16774	(313/627-643, 313/567 313/111-117 313/25-27 313/318.01-318.09 439/615,739 445/24,26,29,22).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/05 11:24
S7	4379652	@ad< "20030818"	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/05 11:26

S8	5131	(high near1 pressure) and gas and vessel and discharge and electrode\$1	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/05 11:27
S9	445	S6 and S7 and S8	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/05 11:27
S10	445	S9 and (ioniz\$4 wall thickness bulb quartz ceramic height ratio mold glass)	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/05 11:29
S11	379	S10 and @ad<"20020818"	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/05 11:30
S12	15	S10 and (burst explode)	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/05 11:31
S13	99	S11 and (wall near5 thick \$4)	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/05 11:34
S14	3	S13 and (wall near5 thick \$4 near20 ratio)	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/05 11:39
S15	3	S10 and (outer near1 wall near10 thick\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/05 11:45
S16	10	S10 and (uniform near1 thickness)	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/05 12:43
S17	0	S16 and (outer near1 (wall envelope vessel chamber))	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/05 12:44
S18	1121	S8 and (outer near1 (wall vessel chamber space envelope container bulb))	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/05 12:48
S19	1121	S8 and (outer near1 (wall vessel chamber space envelope container bulb))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/05 12:48
S20	450	S19 and (thick\$4 near3 (wall chamber envelope glass vessel space container bulb))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/05 12:50
S21	62	S20 and ((uniform near1 thickness) ("same thickness"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/05 12:53
S22	1173	(high near1 pressure near1 discharge near1 lamp)	USPAT	OR	ON	2008/03/05 13:24
S23	1	"5510676".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/05 13:30
S24	4	("4755721"   "4855643"   "5015913"   "5142188").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/05 13:36

S25	1067	"19" and (high near1 pressure near1 discharge near1 lamp)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/05 13:38
S26	244	S25 and (outer near6 glass)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/05 13:39
S27	173	S26 and @ad< "20030818"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/05 13:40
S28	66	S27 and ((envelope chamber vessel bulb) near "10" mold\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/05 13:48
S29	287	S22 and (outer near1 (wall envelope vessel chamber))	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/05 13:59
S30	4	S29 and (outer near20 mold\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/05 14:00
S31	58	S25 and (distance near10 electrode\$1 near20 (height length width diameter) near3 (tube lamp vessel chamber space))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/05 15:05
S32	39	S31 and @ad< "20030818"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/05 15:14
S33	16	S29 and (distance near10 electrode\$1 near20 (height length width diameter) near3 (tube lamp vessel chamber space))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/05 15:28
S34	43	S29 and (length near10 (outer))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/05 15:33

S35	2	"5838104".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/05 16:00
S36	12	S29 and (outer near20 thin \$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/05 16:14
S37	3	("5510676" "5719463" "5838104").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/11 08:34
S38	1212	(high near1 pressure near1 discharge near1 lamp)	USPAT	OR	ON	2008/09/06 11:23
S39	293	S38 and (outer near1 (wall envelope vessel chamber))	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/06 11:23
S40	43	S39 and (length near10 (outer))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/06 11:23
S41	3	S40 and ("100" near1 watt)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/06 11:23
S42	7	S40 and ("100" with watt)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/06 11:26
S43	4	S42 not S41	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/06 11:26
S44	4	("20030062838" "5510676").pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/09 06:43
S45	2	("20030062838" "5510676").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/09 06:43
S46	5761	(high near1 pressure near1 discharge near1 lamp)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/09 06:54

S47	3903	S46 and @ad<"20030818"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/09 06:55
S48	297	S47 and (outer near1 (wall envelope vessel chamber))	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/09 06:56
S49	315	S47 and (outer near1 (wall envelope vessel jacket chamber))	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/09 06:56
S50	68	S49 and (length with (outer))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/09 06:57
S51	383	S47 and (outer near1 (wall envelope vessel jacket chamber))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/09 07:01
S52	75	S51 and ((length height) with (outer))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/09 07:02
S53	45	S52 and (electrode with (space\$3 separation distance gap))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/09 07:02
S54	21	(marien.in. with leo) (caruso.in. with nancy)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/14 15:20
S55	1	S54 and (wall thickness "1.5" "0.8" bulb-shaped portion outer envelope). clm.	US-PGPUB; USPAT; USOCR	AND	ON	2009/01/14 15:21
S56	17440	(313/627-643, 313/567 313/111-117 313/25-27 313/318.01-318.09 439/615,739 445/24,26,29,22).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/14 15:21
S57	671	S56 and (high near1 pressure) and gas and vessel and discharge and electrode\$1	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/14 15:22

S58	240	S57 and ((wall chamber bulb glass globe) with thick \$6)	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/14 15:22
S60	48	S58 and (thick\$6 with (chang\$4 differ\$1 different vary varies variation))	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/14 15:24
S61	1	"20040201353".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/14 15:55
S62	1	"5532543".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/06 14:16
S63	17834	{313/627-643, 313/567 313/111-117 313/25-27 313/318.01-318.09 439/615,739 445/24,26,29,22).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/06 14:29
S64	17834	{313/627-643, 313/567 313/111-117 313/25-27 313/318.01-318.09 439/615,739 445/24,26,29,22).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/06 14:38
S65	309	S64 and (burst containment)	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/06 14:38
S66	0	S64 and ("no containment shield")	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/06 14:50
S67	0	S64 and ("without" near3 "containment shield")	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/06 14:50
S68	793	S64 and "high pressure discharge lamp"	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/06 14:54
S69	512	S68 and @ad< "20030818"	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/06 14:55
S70	17834	{313/627-643, 313/567 313/111-117 313/25-27 313/318.01-318.09 439/615,739 445/24,26,29,22).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/06 15:14
S71	705	S70 and (high near1 pressure) and gas and vessel and discharge and electrode\$1	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/06 15:14
S72	250	S71 and ((wall chamber bulb glass globe) with thick \$6)	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/06 15:14
S73	50	S72 and (thick\$6 with (chang\$4 differ\$1 different vary varies variation))	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/06 15:14
S74	29	S73 and ((outer) near1 (envelope tube jacket bulb))	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/06 15:14

S75	17834	(313/627-643, 313/567 313/111-117 313/25-27 313/318.01-318.09 439/615,739 445/24,26,29,22).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/10 09:20
S76	1599	S75 and ((outer) near1 (jacket bulb envelope))	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/10 09:21
S77	365	S76 and "high pressure discharge"	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/10 09:21
S78	18	("20020063529"   "20020067115"   "449396"   "4709184"   "4859899"   "5075586"   "5128589"   "5327042"   "5493167"   "5594294"   "5719463"   "5731662"   "5825127"   "6043603"   "6157131"   "6629768"   "6741013"   "6958575"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/10 09:49
S79	4	("20030222584"   "20050093455"   "6069456"   "6528946"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/10 09:51
S80	13	("2961565"   "3870919"   "3959524"   "3963951"   "4850499"   "5211595"   "5363007"   "5528104"   "5866982"   "6157130"   "6169367"   "6495962"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/10 09:54
S81	4	("4580075"   "4633137"   "5625256"   "5682082"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/10 09:58
S82	10	("3619682"   "4013919"   "4143301"   "4195251"   "4229678"   "4361782"   "4388557"   "4752718"   "4942330"   "6462478"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/10 10:01
S83	6	("3662203"   "4717852"   "4825127"   "5057743"   "5111104"   "5196759"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/10 10:05
S84	8	("4401913"   "4665344"   "4839565"   "4866327"   "4975620"   "5023506"   "5039912"   "5075586"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/10 10:12
S85	5	("4134039"   "4490642"   "4795943"   "4864191"   "4970431").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/10 10:17
S86	3	("3790837"   "4594529"   "4795943").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/10 10:20

S87	10	("2891189"   "3138731"   "3418512"   "3869631"   "4017758"   "4338540"   "4366409").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/10 10:25
S88	18	("1858497"   "2362171"   "2482421"   "2775718"   "3119040"   "3243635"   "3385463"   "3428846"   "3474277").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/10 10:30
S89	1	"5532543".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/10 11:01
S90	17834	(313/627-643, 313/567 313/111-117 313/25-27 313/318.01-318.09 439/615,739 445/24,26,29,22).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/10 11:14
S91	423	S90 and (("discharge chamber" "discharge vessel") with quartz)	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/10 11:14
S92	247	S91 and @a<"20030818"	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/10 11:14
S93	57	S92 and (("outer envelope" "outer bulb") with quartz)	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/10 11:22
S94	41	S93 and "high pressure discharge"	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/10 11:25
S95	2	"5594295".PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/12 13:08
S96	1	"5532543".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/12 13:44
S97	17839	(313/627-643, 313/567 313/111-117 313/25-27 313/318.01-318.09 439/615,739 445/24,26,29,22).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/12 14:12
S98	1600	S97 and ((outer) near1 (jacket bulb envelope))	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/12 14:12
S99	97	S98 and (thick\$4 near3 glass)	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/12 14:12
S100	1	"4977346".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/13 08:36

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